

place the claims in a preferred format for the United States and are not amendments relating to patentability. A marked up sheet of claim amendments is attached hereto.

It is believed that no fee is due by this amendment. Should any fees under 37 C.F.R. §§ 1.16 to 1.21 be required for any reason relating to the enclosed materials, the Commissioner is authorized to deduct said fees from Deposit Account No. 01-2508/13475.0002.PCUS00.

CONCLUSION

In view of the foregoing amendments, applicants respectfully submit the claims are in proper form and condition for allowance. Applicants request that the claims be allowed and the application advanced to issue.

The Examiner is invited to contact the undersigned attorney at (713) 787-1438 with any questions, comments or suggestions relating to the referenced patent application.

Respectfully submitted,



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MARKED-UP SHEET OF CLAIM AMENDMENTS

1. A recombinant micro-organism delivering a trefoil peptide *in vivo*.
2. A micro-organism according to claim 1, wherein said micro-organism is a bacterial strain.
3. A micro-organism according to claim 2, wherein said micro-organism is a food grade bacterial strain, preferably a gram-positive bacterial strain.
4. A micro-organism according to claim 3, wherein said bacterial strain is a *Lactococcus* or a *Lactobacillus* species.
5. A micro-organism according to claim 4, wherein said bacterial strain is *Lactococcus lactis*.
6. A micro-organism according to any of claims 1 to 5 wherein said trefoil peptide is TFF1.
7. Pharmaceutical composition comprising a micro-organism according to any of claims 1 to 6.
8. Method for the delivery of trefoil peptide to the gastro-intestinal tract comprising the administration of a micro-organism according to any of claims 1 to 6.
9. Use of a micro-organism according to any of claims 1 to 6 for the manufacture of an agent for the delivery of a trefoil peptide to the gastro-intestinal tract.
10. Method of treatment of gastric and/or intestinal diseases and/or disorders comprising the administration of a micro-organism according to any of claims 1 to 6.

11. (Amended) ~~The method of claim 10 wherein the Method of treatment of lesions caused by gastric and/or intestinal diseases and/or disorders involve lesions comprising the administration of a micro-organism according to any of claims 1 to 6.~~
12. (Amended) ~~Use of a micro-organism according to any of claims 1 to 6 for the preparation of a~~ A medicament for treatment of gastric and/or -intestinal diseases and/or disorders comprising the micro-organism of claim 1.
13. (Amended) ~~Use of a micro-organism according to any of claims 1 to 6 for the preparation of a~~ The medicament of claim 12 for treatment of acute gastro-intestinal inflammatory diseases comprising acute colitis, acute flare-ups of Crohn's diseases ~~and~~ or ulcerative colitis.
14. (Amended) ~~Use of a micro-organism according to any of claims 1 to 6 for the preparation of a~~ The medicament of claim 12 for treatment of chronic and spontaneously recurring diseases of the gastro-intestinal tract comprising Crohn's disease (enteritis regionalis) ~~and~~ or ulcerative colitis (colitis ulcerosa).
15. (Amended) ~~Use of a micro-organism according to any of claims 1 to 6 for the preparation of a~~ The medicament of claim 12 for inhibiting the formation of lesions caused by gastric ~~and/or~~ and intestinal diseases ~~and~~ or disorders.
16. Method for producing a micro-organism according to any of claims 1 to 6 comprising transforming a micro-organism with a recombinant vector carrying a trefoil peptide coding sequence under the control of a suitable promoter and a suitable secretion signal sequence.
17. Recombinant vector comprising a trefoil peptide coding sequence under the control of a suitable promoter sequence and a suitable secretion signal sequence.

18. Recombinant vector according to claim 17, having a nucleotide sequence as represented by any of SEO ID NOs 1, 2, or 3.